US ERA ARCHIVE DOCUMENT

PARTNERSHIP FOR SUSTAINABLE HEALTHCARE

OSPITALS

for a

HEALTHY
ENVIRONMENT™

Pollution Prevention (P2) for Healthcare Priscilla Oliver, Ph.D. 404/562-8292

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Historical Perspective

- EPA Voluntary Partnership with Healthcare Began in 1998 as H2E.
- Enlisted some 1,170 partners representing 6,431 healthcare facilities as members of H2E.
- Now H2E is a 501(c)(3) Non-Profit organization that receives some funding from EPA.



Objectives

- Background
- Issues
- Tools and Resources
- Data Collection
- Communication
- Celebrating Successes!





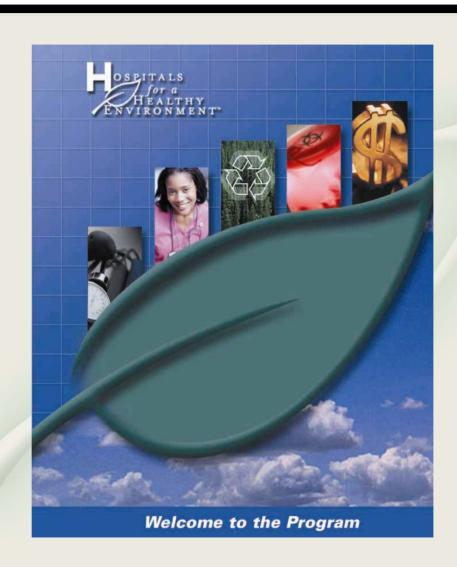
Why a Commitment to the Environment?

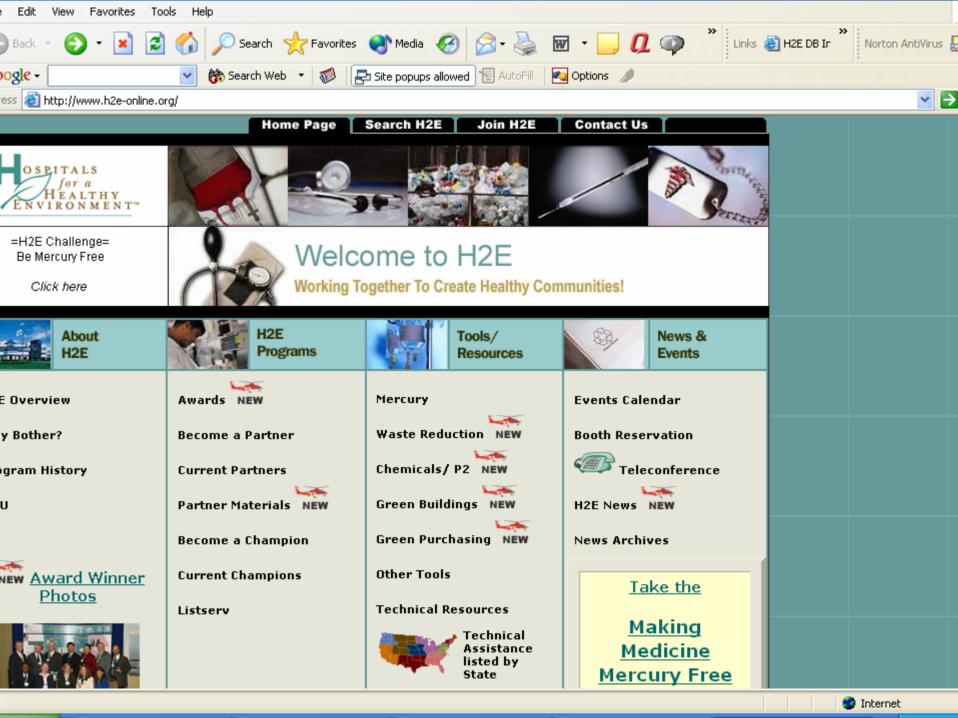
- Safety
- Liability
- Community Relations
- Cost Savings
- Indoor Air Quality
- Environmental Impact
- Regulatory Compliance
- Mission Statement
- Healing Environment
- Commitment to Health





H2E Welcome Packet







H2E Partners

- In June 17, 2004, the H2E program had 775 partners representing 2,703 facilities: 846 hospitals, 1,447 clinics, 101 nursing homes and 309 other types of facilities.
- Partner Pledge work to eliminate mercury and reduce waste, and prevent pollution.



H2E Partners Continued

- In May 19, 2005, the H2E Program had 1,020 partners representing 4,333 facilities: 1,123 hospitals, 2,080 clinics, 582 nursing homes and 548 other types of facilities.
- Partner Pledge- work to eliminate mercury and reduce waste, and prevent pollution.



H2E Partners Continued

- In of August 1, 2006, the H2E Program had 1,215 partners representing 5,649 facilities: 1,381 hospitals, 2,941 clinics, 531 nursing homes and 796 other types of facilities.
- Partner Pledge- work to eliminate mercury and reduce waste, and prevent pollution.



H2E Partners for Change

As of March 29, 2007, the H2E Program had 1,340 Partners representing 11,589 health care facilities including 1,604 hospitals, 3674 clinics, 5,288 nursing homes, and 1,023 other types of facilities.



H2E Champions

In April 2004, H2E had 75 champions and as of May 2005, there were 97 champions. H2E Champions promote the H2E program and implement waste reduction activities at their own facilities.

- •GPOs such as Novation, Premier and Consorta, and AmeriNet
- State Hospital Associations
- Vendors such as Sodexho, Vanguard and Baxter
- State Pollution Prevention Agencies
- State Nurses Associations
- Healthcare Professional Organizations such as ASHE, AHRMM and ASHES



State H2E Programs and Conferences

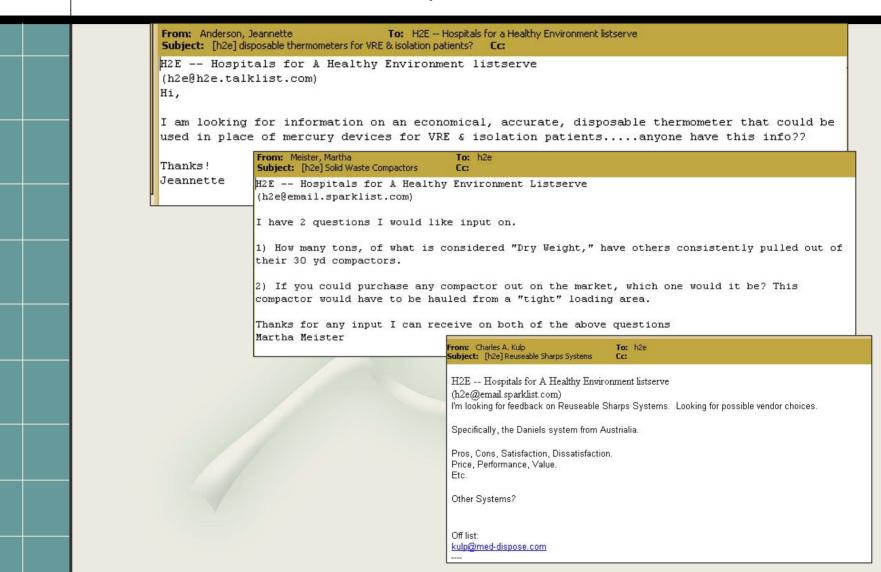


BENEFITS: state-level recognition, state-specific resources, vendors, technical assistance and compliance assistance and can be a forum for finding local solutions to issues.

Hospital conferences have been held in Georgia, Florida, South Carolina and now Kentucky.



The H2E Listserv has over 700 participants from the health care sector, technical assistance providers and clinicians



http://www.h2e-online.org/programs/list.htm#HowTo



Free Monthly Teleconferences

	2003/4 Teleconference Calendar*	
Jan 10	Mercury - meeting the MOU Challenge	
Feb 14	Waste Management Cost Reductions - RMW Reduction	
Mar 14	Recycling and Management of Universal Wastes	
Apr 11	HIPAA - Paper Destruction, Recycling and HIPAA	
May 09	Practical Tips to Starting or Enhancing your Recycling Programs	
Jun 13	JCAHO - Using Environmental Programs as Performance Improvement Initiatives	
Jul 11	EPP - Low Hanging Fruit and other EPP Success Stories	
Aug 08	Green Buildings: Materials and Maintenance	
Sep 12	Identifying and Managing Hazardous Pharmaceutical Waste	
Oct 10	Greener Cleaners/Disinfectants	
Nov 14	Nurses - the Role of Nurses in Implementing Environmental Improvements	
Dec 12	H2E Awards – How and Why to Apply	
Jan 16	New Recycling Tips and Tricks to a Comprehensive Recycling Program	
Feb 13	Waste Minimization - C&D Recycling and Composting	

Check out upcoming calendar at:

http://www.h2e-online.org/events/teleconf/index.cfm



MERCURY FREE BY 2003?

H2E Making Medicine
Mercury Free Awards
www.h2e-online.org/
awards



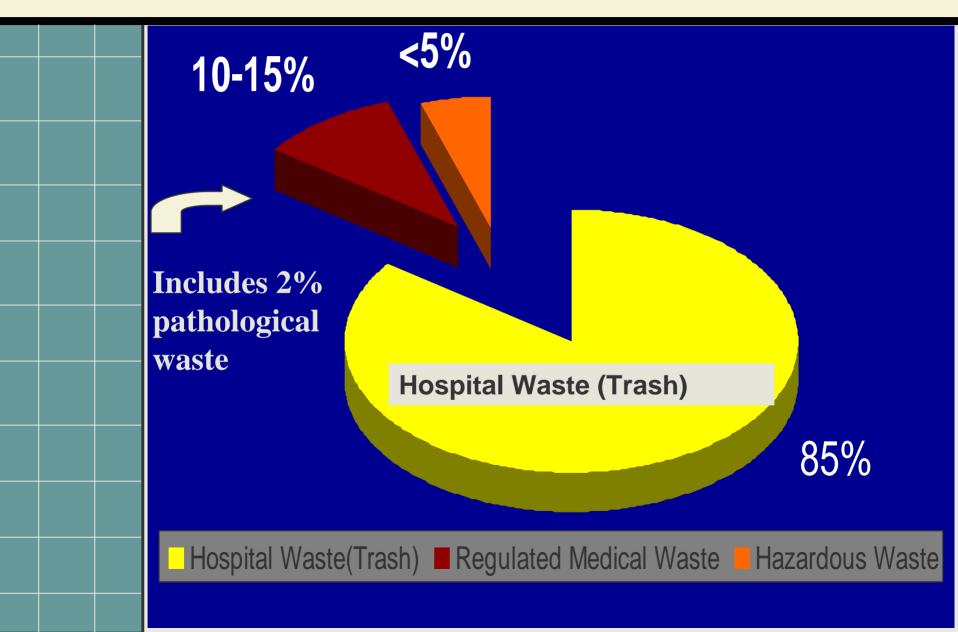




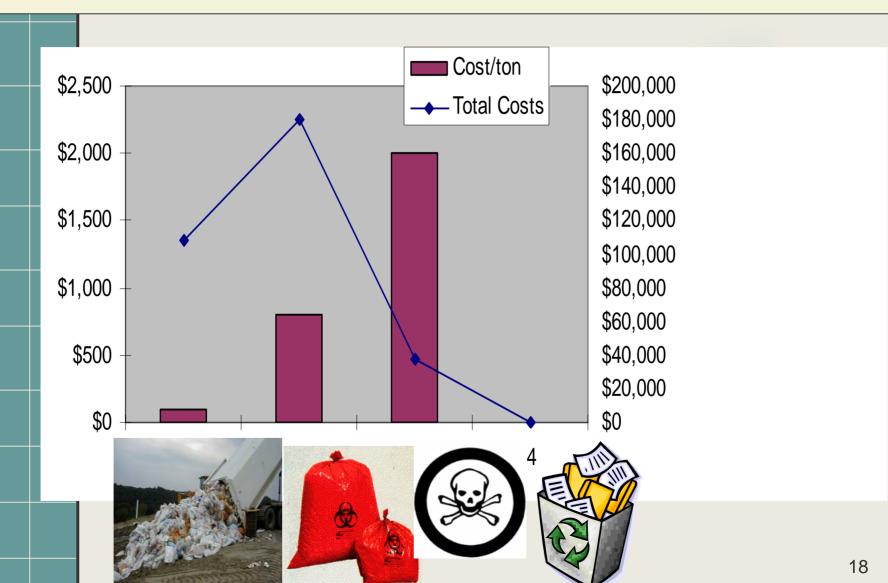




Comprehensive Waste Program



...Design materials and systems that promotes and facilitates waste minimization and segregation ... Understand waste issues





Waste Segregation – Best Practices

Implement an Infrastructure Conducive to Waste Minimization-

Color coded, strategically placed and well labeled containers for:

- Solid Waste
- Infectious Waste
- Hazardous Waste
- Recycling
- Universal Wastes
- Others







10 Steps to Reducing RMW



10 Steps to Implementing a Regulated Medical Waste Reduction Plan

Hospitals are saving hundreck of thousands of dollars by improving their wante segregation and implementing Regulated Medical Wate (RMW) reduction programs, RMW isoften the most expensive wante stream to manage. While the primary objective of RMW management is to minimize the risk of disease transmission from handling RMW, every facility has an opportunity to reduce its RMW thereby reducing risk and cost.

Many hospitals retainedy throw from 50-70% of their water into the bichazardous water stream, although a large portion of hospital water is very similar to that of a hotel or office building—mostly paper, cardboard and food water. Hospitals often pay up to 10 times as much to dispose of infectious versus solid water. Case studies prove that with comprehensive obstation, hospitals can realistically aim to decrease red bug water to a mere 6-10% of their water stream. In fact, the Centers for Disease Control (CDC) suggests that only 2-3% of hospital water truly needs to be disposed of as infectious waster.

The tremendous opportunities for cost and volume treductions do not come from the "gray areas" where it is difficult to determine whether the item is "significantly contaminated" or not. Staff should ask the question whether the waste is potentially infectious (see definition below) and should know which container to throw the waste in- a red bag, dear bag or in a neyeling container. If staff is not clear on where to throw the item, then they should ent on the conservative side and dispose of it in a red bag. The significant opportunities for RMW reduction come from eliminating the coffee cups, packaging, paper towel waste, clean blue wrap and pizza boxes that get tossed in! To help you get started in implementing a Regulated Medical Waste (RMW) Reduction Plan, F42E recommends the following ten-step process.

Step 1: Understand Regulated Medical Waste Definitions Review your facility's policies, procedures and definitions for RMW handling and disposal. Check with your state regulatory authorities to make sure you understand state specific regulations. Meet with your Infection Control Staff to refine and clarify your facility's guidelines. A strong partnership with Infection Control will help ensure a successful program. Include RMW refuction information and

goals in your Bloodborne Pathogens Exposure Control Manual,

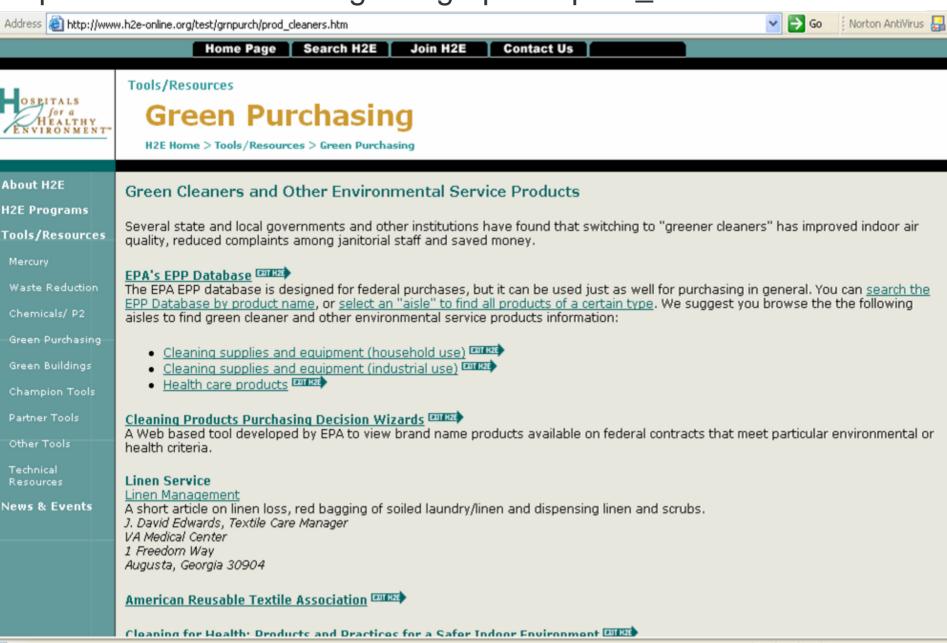
Froper waste segregation is critical, RMW, sharps, recyclables and solid waste should each have separate containers that are clearly labeled and early accessible. Harardous chemicals must be stored and managed according to policies that conform to RCRA negulations. It sounds simple, but staff must be properly trained to understand which waste is placed in which container.

Liquid wastes present yet another unique disposal question. Are you pouring your liquid waste down the dusin Are you containerizing in or arking gelling agents, then disposing of it in red bage? Removing liquids can often our your infectious waste stream in half, but must be done catefully. There are now several products available to mechanically narrange liquid waste disposal. Review your facility's protocols and OSHA guidelines for managing liquid infectious waste and work with your local POTW and state regulatory officials to determine your best disposal options.



http://www.h2e-online.org/ pubs/tensteps/Rmw10steps.pdf

http://www.h2e-online.org/test/grnpurch/prod_cleaners.htm



Internet





Compliance and P2 Assistance





JCAHO Project Compliance Assistance Center

Meeting JCAHO Standards with Pollution Prevention

The Joint Commission for the Accreditation of Healthcare Organizations (JCAHO) requires health care facilities to meet performance standards in specific areas. The standards are set to achieve maximum performance for activities affecting the quality of care at the facility. To meet standards, health care facilities must develop performance improvement initiatives. These initiatives help the facility continuously improve and remain competitive.

Pollution prevention (P2) activities make great performance improvement initiatives. They can help you achieve JCAHO standards and most rules. regulations and goals. They also promote the health of the public-keeping in line with the basic premise of health care. Meeting JCAHO Standards with Pollution Prevention, developed by the Minnesota Technical Assistance Program (MnTAP), outlines pollution prevention activities that achieve JCAHO standards included in the Comprehensive Accreditation Manual for Hospitals (CAMH)-JCAHO's most frequently used accreditation program—and the rules regulations and goals listed below.

JCAHO CAMH Standards

The following standards have been condensed. For complete standards, refer to your CAMH, or contact JCAHO at 630/792-5000.

EC.1. EC.1.2: The organization plans for a safe envi- + Federal Insecticide, Fungicide and Rodenticide ronment and implements its plan.

EC.1.3, EC.2.3: The organization plans for managing hazardous materials and waste and implements its plan.

EC.1.5, EC.2.5: The organization plans for fire prevention and implements its plan.

EC.2, EC.2.2: The organization plans for employee safety and implements its plan.

EC.2.8: Personnel have appropriate knowledge and skills regarding the proper management and disposal of hazardous materials.

EC.4: The organization improves conditions in the environment

GO.2: Performance improvement is financially sound. PL1: Performance improvement is system wide.

PL1.2: Performance improvement is consistent with the organization's mission as it relates to community health.

PL2: Improved and new processes are well designed and consider patient safety.

RI.1.2.2: Patient understands outcomes of care including unanticipated outcomes.

TX.3.4.2; Medication recall system provides for safe disposal of recalled and discontinued medica-

Rules, Regulations and Goals

- Clean Air Act
- Clean Water Act
- . Community Right to Know
- Act (FIFRA)
- . Food and Drug Administration (FDA) public health notification: PVC devices containing the plasti-
- Hazardous Materials Transportation Act
- Hazardous Spill Response (HAZWOPER)

- + Hospitals for a Healthy Environment (H2E) goal: Nearly eliminate mercury by 2005.
- H2E goal: Reduce volume and toxicity of all types of waste 30 percent by 2005 and 50 percent by
- National Fire Protection Association Life Safety
- Occupational Safety and Health Administration (OSHA) Hazard Communication/Employee Right to Know
- + P2 Act of 1990
- + Resource Conservation and Recovery Act (RCRA)
- · Spill Prevention Control Countermeasure (SPCC)
- + State Infectious/Regulated Medical Waste Regu-
- State requirements for posticide applicators
- Universal Waste Rule

The first column of this document lists a P2 activity that can be adopted as a performance improvement. initiative. This column gives tips on how to accomplish the initiative and outlines why the activity is important. The middle column describes how the initiative meets JCAHO standards. The third columnlists rules, regulations and goals that your facility may meet by carrying out the performance improvement initiative.

Assistance

For help meeting JCAHO standards using pollution prevention, contact Catherine Zimmer, MnTAP health care specialist, at 612/624-4635 or 800/247-.0015 from greater Minnesota.

Meeting JCAHO Standards with Pollution Presention - Minnesota Technical Assistance Program - 612/624-1300 - 800/247-0015 - www.mntap.umm.edu - May 2003

Catherine Zimmer, Healthcare Specialist MN Technical Assistance Program 612/624-4635 or zimme053@umn.edu, http://mntap.umn.edu/health/jcaho.pdf



How can your facility comply with HIPAA and still recycle paper???

H2E Guidance Document

Confidential Paper Document Disposal and Resource Conservation In Compliance with the Health Insurance Portability and Accountability Act (HIPAA) OF 2002

HIE Objective in Meeting HIPAA Compliance:

The Hospitals for a Healthy Environment program attempts to help health care. facilities recet the intent of HIPAA in a manner that promotes environmental. performance and that is financial responsible and enemions by This decrement is to be used. by HIZE Partners as a tool to help developpolicies and procedures to perform their own. facility assessments to eractic confidentiality.

* This document focuses on paper destruction. Attachment A inpludes a table briefly describing electronic media data destruction a/fematives

Direlainer: The suggestions outbred to this and other H2E-IIIPAA ducumenti are out legally haveleng har ore betreded ar guidance documents

HIPAA Standards require health care organizations to establish written policies and procedures, as well as security measures to protect the privacy of patient information as they pertain to the "end-of-life" disposal and destruction of confidential paper documents." The purpose of this guidance is to help you:

- Understand the basic requirements for protecting privacy of confidential documents under HIPAA:
- Assess your facility's confidential paper disposal/destruction program's readiness for compliance with HIPAA requirements;
- Evaluate options for "end-of-life" disposal and destruction of confidential documents, and develop an environmentally responsible and fiscally prudent option for your facility:
- Develop and implement policies and procedures as they pertain to the "end-oflife" disposal and destruction of confidential paper documents.

Document Outline:

Understanding HIPAA and Document Destruction Options

- What documents are protected by HIPAA7
- What HPAA says and doesn't say about the management and disposal/destruction of confidential paper
- Confidential document destruction options

Attachment B: Sample Certificate of Destruction Attachment C: Due Diligence - Annual Audit of Confidential Paper Recycling

Perform a facility assessment

- Perform a facility assessment to help determine policy and procedural requirements, operations and infrastructure requirements.
- Develop facility-wide policy for compliance with confidential material disposal
- Policy worker codes of conduct concerning violations of policy

Attachment D: Sample Facility Assessment

Developing and Implement Policies and Procedures

- Develop chain of custody policies and procedures from point of origin to confirmation of point of destruction, include specific responsibilities for generator, handler, staff at points of transfer, haulers and/or recyclers.
- Considerations for choosing a vendor

Attachment E: Considerations of Shredding On-site

Attachment F: Sample Administrative Policy and Procedures

Attachment G: Sample Confidentiality Agreement facility and vendor

Attachment H. Sample "General Terms and Conditions" with facility and vendor

H2E-HIPAA DRAFT Guidance Document on the Destruction of Confidential Paper

Please send comments to H2E@valley.set

http://www.h2e-online.org/tools/waste_hipaa.htm



Recognition and Award Categories

H2E Partner Recognition

is given annually to Partner facilities that have met their self-identified H2E goals for the previous year.

Making Medicine Mercury-Free Award is a one-time award given to facilities that have met the challenge of becoming virtually "mercury free."

H2E Partners for Change Award

is given annually to facilities that have made significant progress toward reducing waste, preventing pollution, and eliminating mercury.

H2E Environmental Leadership Award is the premier H2E award given annually to facilities that are setting the "industry standard" for environmental programs and policies. These facilities have active, ongoing waste and mercury-use elimination programs that will serve as models for other hospitals across the country.



John Leigh of Dartmouth-Hitchcock receiving award from Mac Robinson at AHA's Annual Meeting



Celebrating Your Achievements



Contact: Kelly Heekin, Media Coordinator 202-234-0091, ext. 11



Tips On Getting Press

Congratulations! You've just taken an important step toward improving the environment and public health through your involvement in H2E. It is time to tell your story to your staff and broader community. Following are some tips on getting the media to cover your story.

Write a Press Release

The reverse side has a sample press release that you can use as a template to customize your press release. Add details about 1000 programs and accomplishments, along with quotes from your spokespeeple about how and why you are involved in this important H2E initiative.

Tip: The more of a "news hoole" you can provide, the better chance your story will be published. Some examples of news hools include: a prominent community member praises your efforts, your staff works with local students to educate the community about mercury fever thermometers, or you reach a landmark environmental goal such as a significant reduction in water.

Identify and Pitch to Reporters

If your organization has a public affairs department, give them a copy of the press release and background information on the H2E Program, and they can take it from there.

If you are posting the release yourself, first identify reporters who are likely to cover the story (your organization might have a press list already compiled) and fax or e-mail the press release to them. It is a good idea to make follow-up calls to reporters to ensure they received the information and talk to them about why it is important to inform the community about your organization's environmental achievements.

Have Resources Handy

The following resources will be useful in making your efforts to promote your facility a success:

- Fact sheets. Have on hand a list of facts and additional resources, for instance, a factsheet that provides the basic information about why mercury is an environmental and public health threat.
- Public Affairs. Designate someone from your facility to speak to the press and make sure they have all the necessary information. You might also want to identify some other spokespeople, such as a doctor to provide quotes about the health effects of mercury or a local politician who can discuss your positive impact on the community.
- Images. Some publications might request visual images, such as photographs of your project or of a person at your facility. Colorful charts depicting your progress are also helpful.
- Talking points. Have three to four points in mind that you most want to publicize, and stick to those points when speaking to reporters. You might want to emphasize the achievements your facility has made and why a commitment to the environment is important to you.
- Other Media. Send your press release through other information channels. Post it to your website, e-mail it through listservs, put it out on your intranet, print it in your newsletters, and post it around your facility so employees can feel proud of their accomplishments!



cominned reverse side-



Change... requires shift in mindset and enlightened leadership













Call for Assistance:

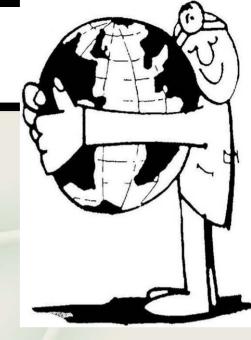
- Janet Brown, Partner Coordinator H2E, New York, NY.
- Phone: 212/941-2486, 347/393-3809
- Priscilla Oliver, Ph.D.
 Regional EPA, PSH Coordinator
 Atlanta, GA
- 404/562-8292
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